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| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/759,173 | CUI ET AL. | |
| | Examiner | Art Unit | |
| | Linh V. Nguyen | 2819 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/11/06.
2. ☒ The allowed claim(s) is/are 1 - 15, 19 - 21, 23, and 32 - 36.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Detailed Action

1. This office action is in response to communication filed on 9/11/06. Claims 16-18, 22, 24-31, and 37-44 have been canceled. Claims 1 - 15, 19 - 21, 23, and 32 – 36 are pending on this application.

Allowable Subject Matter

2. Claims 1 - 15, 19 - 21, 23, and 32 – 36 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1 and 10, in addition to other elements in each claim, the prior art does not teach a first impedance circuit; and a second impedance circuit, wherein base electrodes of the first and second output transistors are in communication with the first and second impedance circuits, respectively, and the collector electrodes of the first and second input transistors, respectively, wherein emitter electrodes of the first and second output transistors are in communication with each other and with the first current source, and wherein collector electrodes of the first and second output transistors are respectively, and the communication with the first and second impedance circuits, differential output.

With respect to claim 19, in addition to other elements in the claim, prior art considered individual or combination does not disclose an electronic circuit comprising: wherein emitter electrodes of the first and second start-up transistors are in communication with each other and with a first current source, and wherein collector

electrodes of the first and second start-up transistor are in communication with collector electrodes of first and second input transistors respectively.

With respect to claim 20, in addition to other elements in the claim, the prior art does not teach or suggest an electronic circuit comprises: wherein emitter electrodes of the first and second output transistors are in communication with each other and with a first current source, wherein collector electrodes of the first and second output transistors are in communication with the first and second impedance circuits, respectively, and the output.

With respect to claim 23, in addition to other elements in the claim, the prior art does not teach or suggest an electrical circuit comprising: the common-mode feedback in communication with the output and second and third current sources, wherein the second and third current sources are in communication with the input and start up circuits, wherein the common mode feedback circuit comprises: a comparator for comparing a feedback signal with a predetermined reference signal to generate a comparison signal, wherein the comparison signal controls the second and third current sources; and first and second resistors in communication with the output and an input of the comparator.

With respect of claim 32, in addition to other elements in the claim, the prior art does not teach, wherein the second electrode means of the first and second start-up amplifier means are in communication with each other and with a first current source means, and wherein the third electrode means of the first and second start-up amplifier

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means are in communication with third electrode means of first and second input amplifier means respectively.

With respect to claim 33, in addition to other elements in the claim, the prior art does not teach or suggest wherein the output circuit means first and second output amplifier means, comprises: third electrode means of first and second input amplifier means, respectively, wherein the second electrode means of the first and second output amplifier means are in communication with each other and with a first current source means, and wherein the third electrode means of the first and second output amplifier means are in communication with the first and second impedance means, respectively, and the output means.

With respect to claim 34, the prior art does not disclose feedback means in communication with the output means and second and third current source means, wherein the second and third current source means are in communication with the input and start-up circuit means.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh Van Nguyen whose telephone number is (571)

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272-1810. The examiner can normally be reached from 8:30 – 5:00 Monday-Friday.

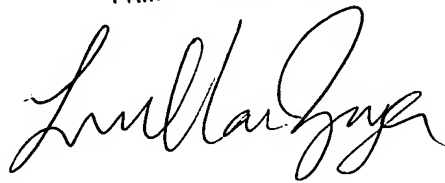
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Rexford Barnie can be reached at (571) 272-7492. The fax phone numbers for the organization where this application or proceeding is assigned are (571-273-8300) for regular communications and (571-273-8300) for After Final communications.

LINH NGUYEN
PRIMARY EXAMINER

9/18/06

Linh Van Nguyen

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A handwritten signature in black ink, appearing to read 'Linh Van Nguyen', is written over the printed name and title.